

THE GROUNDPLANE

SBARA July Meeting Presentation



What is Packet Radio?

The current TNC standard grew from a discussion in October of 1981 at a meeting of the Tucson Chapter of the IEEE Computer Society. A week later, six of the attendees gathered and discussed the feasibility of developing a TNC that would be available to amateurs at a modest cost. The Tucson Amateur Packet Radio Corporation (TAPR) formed from this project. On June 26th 1982, Lyle Johnson, Connors, KD2S, initiated the first TAPR unit. The from these first proto-1 and then finally to the the basis for most packet



WA7GXD, and Den a packet contact with project progressed type units to the TNC TNC-2 which is now operations worldwide.

Why packet over other modes?

Packet has three great advantages over other digital modes: transparency, error correction, and automatic control. Come to our July meeting to learn much more about Packet Radio and the usage within Amateur Radio.

Presenters on Packet Radio

Joseph Pistritto N3CKF and Scott Mercer KI6SEJ will be giving a Outpost packet radio demo at the July SBARA meeting.

Saturday July 11, two separate training classes in Packet/Outpost are being held at the old CERT Central (Fire Administration Small Classroom at 3300 Capital Ave, Building A). Contact Mike Fung a wa6awi@arrl.net for more information and to reserve a spot.

Special Points of Interest...

- Packet Presentation
- Thank You to Chris

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THE GROUNDPLANE

SBARA Committed to Hayward Festival

Zucchini Festival Sign Up Webpage Form now available – Give it a try.

Zucchini Festival Sign Up webpage is now available for your use. This year's festival is Saturday August 15th and Sunday August 16th. The webpage form is up and running to make it convenient for you to select your shifts. Remember, for each shift you sign up for and work, you will become eligible for the 'workers' drawing. This year's prize will be either a \$250 dual band mobile or a top of the line GPS for your automobile. To be eligible your name must be on the sign up sheet so be sure to use this page to reserve your preferred shift(s). To sign up go to:

www.sbara.org/

From the menu on the left side of the home page select Hayward Zucchini Festival from the 'SBARA Calendar' section.

When the Zucchini page opens, look for the link to the sign up sheet just above the Map on the left hand side:

Don't wait... SIGN-UP ONLINE NOW! Click on this link.

Read the instructions. After selecting your shift(s) and filling in your contact information, click on the 'submit request' button below your contact information.

If you were not on last years' database the sign up sheet administrator will receive an e-mail requesting that they approve you. This is to prevent 'spam' from people just filling in shifts with no intent of working them.

If you worked the festival last year or once approved by the administrator, you will receive an e-mail asking you to reply using the link provided confirming that you do want the selected shifts. If you do not reply within 24 hours your selection will automatically be removed and you will have to start over again. So don't forget to confirm your shift(s).

Thanks again for your support of this important and fun event. If you have any questions or need assistance contact the administrator, Al Rendon, at: wt6k@arri.net

The July Raffle "BIG" prize will be a 30 piece coax adapter kit. This is a really cool kit and will be a terrific prize to have for all those Coax and Antenna tests—far better than running to your local parts house looking for a connector to attach too.

Come to the meeting in July for you chance to win me!!

Special Thanks to Chris Burgardt, KQ6JZ , Fremont Firefighter Station 10, Ardenwood for providing the Fremont Engine and those really cool Firefighter Hats for the kids!!

Also thanks to other Firefighters and City staff that stopped by and visited the SBARA Field Day site!!

THE GROUNDPLANE

Scenes From Field Day 2009



The SBARA Welcome Tent



Al, WT6K on 40 Meters



40 Meter Phased Verticals



Bernhard AE6YN—15 Meter GOTA Station



40 Meter CW and SSB Station



20 Meter Station and SBARS New AH811 Amplifier Note:
SBARA owns two (2) of these Ameritron HF Amps now!



Fremont's Finest Engine

THE GROUNDPLANE

CERT District News

Chuck and I would like to thank everyone that came out to help with the paint party last month. The weather was not great so we did not paint. Put we were able to re-organize our supplies. We will plan another paint party for later this summer.

Saturday, July 18th... **Chili CookOff and the Firefighter Combat Challenge.** Being held this year at The Saddle Rack, 42011 Boscell Road. Time is 11:00 am - 5:00 pm.

Summer Skills Refresher Exercise... will be on Saturday, July 25th. This years events are going to be new and exciting. We will start at 9:00 am and go until 3:00 pm. Plan on bring your lunch. We are looking for victims... do you have children or friends that would like to help? Please let me know.

We will be having a booth at this years **Art & Wine Festival.** We want to reach as many people as possible about our programs and utility control. If you are inter-

ested in helping please let us know.

Tuesday, August 4th. **National Night Out...** if you are hosting a block party and would like to have a visit by an engine company please contact Fire Administration, 791-4299.

Saturday, October 10th. **Annual Pancake Breakfast...** 39609 Stevenson Place, Fire Station 9, 8:00 am.



October. Centerville will be hosting a **CPR/First Aid** class. Class space will be limited. At this time we do not have a firm date. As soon as we do we will let you

know.

Don't forget to tell your friends, co-workers, and neighbors about our **PEP classes.** Check the schedule for dates and times. If you are interested in having a PEP class at your church, homeowners association, etc. please contact Chuck at guaragliac@comcast.net.

This years **Firefighter Combat Challenge** has been set for **Saturday July 18, 2009** at the World Famous "**Saddle Rack Bar**" in conjunction with "The Great Rotary 18th Annual Chili Cook-Off."

The Scott Firefighter Combat Challenge brings together hundreds of firefighters from across the country to as "the toughest two min-



compete in what is known as "the toughest two minutes in sports."

Annually, the competition draws more than 3,000 firefighters from more than 600 national and local fire departments to battle for challenge superiority. Typically, the competition requires firefighters wear full bunker gear and a Scott Air-Pak while completing a rigorous course comprised on five events: five-story stair climb with a 45-pound hose, hose hoist, forcible entry/Keiser Force Machine, hose advance, and victim rescue.

THE GROUNDPLANE

ANAHEIM, CA
(Near Disneyland)
933 N. Euclid St., #2801
(714) 533-7373
(800) 854-6046
Janet, KLTNF, Mgr.
anaham@hamradio.com

BURBANK, CA
1525 W. Magnolia Blvd., #1505
(818) 842-1796
(800) 854-6046
Eric, KSEJC, Mgr.
Magnolia business
5 Victory & Buena Vista
burban@hamradio.com

OAKLAND, CA
2210 Livingston St., #4606
(510) 534-5757
(800) 854-6046
Mark, W17YN, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

SAN DIEGO, CA
5375 La Jolla Village Rd., #2123
(619) 560-4000
(800) 854-6046
Tom, KXWIK, Mgr.
Hwy. 163 & Clairemont Mesa
sanid@hamradio.com

SUNNYVALE, CA
510 Lawrence Exp., #102, #4085
(408) 736-9496
(800) 854-6046
Dan, K6DN, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE
(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092
(800) 644-4476
Rick, K3TL, Mgr.
RT-13 1/4 mi., So. I-295
newcastle@hamradio.com

PORTLAND, OR
11705 S.W. Pacific Hwy.
97228
(503) 589-0555
(800) 854-6046
Leon, W7AD, Mgr.
Tigard-90W exit
from Hwy. 5 & 217
portland@hamradio.com

DENVER, CO
8400 E. 18th Ave., #9, 80231
(303) 745-7373
(800) 444-9476
John, N5EHP, Mgr.
denver@hamradio.com

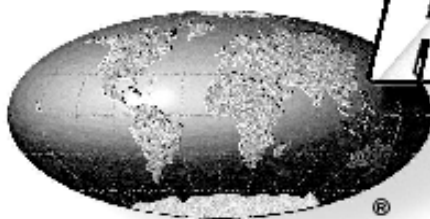
PHOENIX, AZ
1930 W. Darnley Ave., #5021
(602) 342-3515
(800) 444-9476
Gary, N7GL, Mgr.
1 mi. east of I-17
phoenix@hamradio.com

ATLANTA, GA
5071 Buford Hwy., 30340
(770) 263-0700
(800) 444-7927
Mark, KJ4V D, Mgr.
Doraville, 1 mi. no. of I-285
atlanta@hamradio.com

WOODBRIDGE, VA
(Near Washington D.C.)
14908 Bullitt America Dr., 22191
(703) 543-1053
(800) 444-4799
Steve, W4BHG, Mgr.
Exit 161, I-95, So. to US 1
woodbridge@hamradio.com

SALEM, NH
(Near Boston)
224 N. Broadway, 03079
(603) 898-3750
(800) 444-0847
Chuck, N1UC, Mgr.
sales@hamradio.com
Exit 1, I-93
28 mi. No. of Boston
saalem@hamradio.com

12 STORE BUYING POWER



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

KENWOOD



TS-2000 HF/VHF/UHF TCVR

- 100W HF, 5M, 2M • 50W 70CM
- 10W 1.2 GHz w/ opt UT-20 module
- Built-in TNC, DX packet cluster
- IF Stage DCF • Backlit Front Key Panel

Call Now For Special Price!



TH-F6A

- 2W/220/440
- Dual Channel Receive
- 1 - 1300 mhz (all blocked) Rx
- FM, AM, SSB
- Sw 2W/220/440 TX, FM
- 435 Memories
- Li-Ion Battery

Call For Low Price!



TM-D710A 2W/440 Dualband

- 50w 2M & UHF
- Optional Voice synthesizer
- 1000 memories • Dual receive
- Advanced APRS Features
- Echolink® Ready w/ 10 memories
- Built-in TNC • Sky Command II+
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- Choice of Green/Amber LCD backlight

Call Now For Special Introductory Price!

**COAST TO COAST
FREE SHIPPING**
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Rapid Deliveries From
The Store Nearest To You!

YAESU

VX-7R

- 50/2W/220/440 HT
- Wideband RX
- 900 Memories
- 5W TX (300mw 220MHz)
- Li-Ion Battery
- Fully Submersible to 3 ft.
- Built-in CTCSS/DCS
- Internal WIRES compatible

Great Price!



OAKLAND, CA
2210 Livingston St., #4606
(510) 534-5757
(800) 854-6046
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oakland@hamradio.com

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(800) 854-6046
Dan, K6DN, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com



IC-706MKIIG HF/VHF Transceiver

- All mode HF/5M/2M/70CM
- 100W HF/5M, 50W/2M, 20W/440 MHz
- AF-CBP • Plug and Play Filters • No Soldering
- Easy-to-Navigate menus

Low Pricing!



IC-756 PRO III All mode Transceiver

- 150-5W @ 100W • Enhanced Rx performance
- 32 bit IF DSP • SSB/CW Synchronous tuning
- Enhanced 5 inch color TFT w/spectrum scope
- Selectable IF filter shapes for SSB & CW
- Multiple DSP controlled AGC loops
- Advanced CW functions
- 101 alphanumeric memories

The Ultimate Radio!



DJ-196T 2W/HT

- 5 Watt out
- 40 memories
- Alpha numeric display
- CTCSS + DCS built in
- "B" meter
- Auto Dialer

Low Pricing!



DR-135TP 2M mobile

- 50Watt out • Alpha numeric display
- 100 mems • Built-in TNC 1200 & 9600 Baud
- Front Panel GPS In • Rear DB-9 port
- CTCSS/DCS Encode/Decode built in

Low Pricing!



FT-857D

- Ultra compact HF, VHF, UHF
- 100w HF/5M, 50w 2M, 20w UHF
- DSP included • 32 color display
- 200 mems • Detachable front panel (F85-007 required)

Call for Low Price!



FT-2000 HF & 6M tx/rx

- 100W w/ auto tuner
- built-in Power supply
- DSP filters • Voice memory recorder
- 8 Band Parametric Mic EQ
- 8 IF roofing filters

Call Now For Low Pricing!

THE GROUNDPLANE

South Bay Amateur Radio Association

Founded 1974

Mailing Address
Box 8401

Fremont, Ca. 94537-8401
Web Site — www.sbara.org

President

Open Position

Vice President

Brad Douglas, KB8UYR

Treasurer

Don Amyx, N6DA

Secretary

Open Position

Newsletter Editor

Bill Artelt, WB9YVM

Webmaster

Umesh Ghodke, K6VUG

Quartermaster

Open Position

Program Facilitator

Fremont Repeaters & Net Information

WA6PWW - 147.015 +600Khz, PL 103.5

WA6PWW - 223.900 -500Khz, PL 107.2

WA6PWW - 442.600 +5Mhz, PL 107.2

K6AIR - 146.940 -600Khz, PL 123.0

K6AIR - 441.525 +5Mhz, PL 123.0

ARES - Tuesday @ 7:30pm -

147.015 + PL 103.5

SBARA Meeting Location

Our meeting location is at Hurricane Electric.

The address in Fremont is:

760 Mission Court — Come to the meeting.

Bring your HF transceiver, antenna) or HT !

Talk-In 147.015Mhz. +600

Also consider joining us at Wok City Diner
for Dinner at 6PM

Mingle with your fellow SBARA members
and Guests!!!!

The **South Bay Amateur Radio Association** is a general interest amateur radio club serving the Fremont Tri-City area. The club has been in existence since 1974, and has functioned continuously ever since. We are an ARRL Special Service Club, a California not-for-profit tax exempt organization as specified in IRS Stat-

utes. We sponsor training for new hams, license examination sessions, and participate in various public service events. If you have a specialized amateur radio interest, chances are you can share it with one or more of our club members.

SBARA meets on the 2nd Friday of every month at Hurricane Electric in Fre-

mont, California. The meeting begins at 7:30 PM. After conducting business, coffee and snacks are served while we socialize. Following the break, a program of interest will be presented. All persons interested in amateur radio are invited to attend. Families are welcome. We hope to see you there!

Fremont Communications Group

May 22, 2009

Volume 1, Issue 2

Fremont Amateur Radio Emergency Services

Fremont CERT Communications Group

WWW.FREMONTARES.ORG

Emergency Frequencies

Check-in for Fremont,
Newark & Union City
(Resource):

147.015 + PL 103.5

Fremont Tactical
repeater

146.940 – PL 123.0

Fremont Command Net
441.125+PL100.0

Tactical SIMPLEX
frequency for Newark

446.600 primary
446.800 secondary

Tactical repeater for
Union City

146.610 – PL 123.0

Fremont
Communications Group
WWW.FREMONTARES.ORG &
<http://www.qsl.net/kg6djo/CERTComm/index.html>

CERT Website
[HTTP://WWW.FREMONT.GOV/FIRE/EDUCATION/PEPVERSUSCERT.HTM](http://WWW.FREMONT.GOV/FIRE/EDUCATION/PEPVERSUSCERT.HTM)

SBARA Website
WWW.SBARA.ORG

**BAY AREA
EDUCATIONAL
AMATEUR RADIO
SOCIETY**
WWW.BAEARS.COM
(Information for ham
radio licensing)

What would you do after an Earthquake?

Too often we are reminded we live in earthquake country but since 1989 we haven't been reminded and have become complacent about preparing for this event. Everyone knows it's not IF it will happen but WHEN, but still we procrastinate. Even if the populace is prepared, things will happen that require attention from the professional emergency organizations. Your cell

phones don't work, the landlines may or may not be in service. You're a ham, why not use the most reliable communication equipment still around; radio. Who do you call? What frequency do you use?

Familiarize yourself with ARES procedures in the event you need to avail yourself of them. Better yet, help your neighbors and get involved at whatever level you are

comfortable with. Training is available through the City for personal disaster preparedness, and an organization is in place to help you: Fremont ARES, working in conjunction with Fremont Fire Department and the Community Emergency Response Team (C.E.R.T.) to serve you and your neighbors.

Contact us at
www.fremontares.org to learn more information.

SBARA and ARRL FIELD DAY 2009

The South Bay Amateur Radio Association (SBARA) is a ham radio club serving the southern San Francisco bay area, including Fremont, Union City and Newark. SBARA supports ham radio activities, local VHF & UHF repeaters and community events through volunteer hours and financial assistance.

SBARA is also a source of vast technical experience that is shared with anyone who asks for help. SBARA members also serve the East Bay Section at various levels. SBARA meets on the second Friday each month at Hurricane Electric, 760 Mission Court, Fremont and starts at 7:30PM. For more information go to WWW.SBARA.ORG.

Every year the ARRL sponsors a 24 hour emergency training session on the last Saturday/Sunday of June called "Field Day". This year SBARA will hold Fremont Field Day at Lake Elizabeth from 11:00AM June 27th till 11AM June 28th. The event site is south of the intersection of Sailway Drive and Paseo Padre Parkway in Central Park.

Come visit and view seasoned hams work VHF and HF voice and code messaging. See different varieties of HF antennas, HF base station radios and computer interface for automated morse code transmission.

CERT will hold an annual picnic for all CERT graduates and families on Saturday June 27th from 11AM-3PM. We invite Fremont volunteers to observe the benefits ham radio offers to the community.

AMATEUR RADIO

License testing

This session is produced by Bay Area Educational Amateur Radio Society

Study Session, Followed by Exam

Offering a one day study session for Technician or General theory, followed by testing. Extra class tests will be given upon request (no Extra study session available).

Class size is limited, reservations are required.

WHEN: Saturday. October 17, 2009

8:00am - 5pm

WHERE: Washington Hospital West Annex
Anderson Rooms

2500 Mowry Ave, Fremont

FEE: \$30.00 at the door

Register: www.baears.com

Questions: Ross Peterson 650-349-5349 or wb6zbu@arrrl.net

Prospective Hams should have an active Ham as a sponsor to assist in familiarization with amateur operation.

RESERVE YOUR SPACE * BE A HAM !

Sponsored by:

Fremont Ares (<http://www.fremontares.org>)

Fremont Fire Department (<http://www.ci.fremont.ca.us/Fire/default.htm>)



THE GROUNDPLANE



***Celebrate
Independ-
ence!!!!***

Announcements

**SBARA's monthly meeting is
July 10th. Beginning at 7:30pm**

**Our meeting location is at Hurri-
cane Electric. The address in
Fremont is:**

760 Mission Court —

**Come to the meeting and bring
your**

HT, HF, Rig and Antenna!!

The Ground Plane — KU6S
<http://www.sbara.org>
South Bay Amateur Radio Association — SBARA
P.O. Box 8401
Fremont, Ca. 94537-8401